



## Optimization of Airspace and Procedures in the Metroplex

In response to recommendations from the aviation community through RTCA's NextGen Mid-Term Implementation Task Force, the FAA is putting integrated NextGen capabilities in place to improve air traffic flow for an entire region, or metroplex.

The FAA has identified 13 metroplexes—geographic areas that include several commercial and general aviation airports in close proximity serving large metropolitan areas. Airspace congestion and other limiting factors, such as environmental

constraints, combine to reduce efficiency in those areas.

By optimizing airspace and procedures in the metroplex, the FAA provides solutions on a regional scale, rather than focusing on a single airport or set of procedures. The optimization plan takes into account all airports and airspace that support each metropolitan area as well as how air traffic in those areas interacts with other metroplexes. It considers myriad factors including safety, efficiency, capacity, access

and environmental impact.

Using a consistent, repeatable approach, study teams of FAA and aviation community experts analyze the operational challenges of metroplexes and explore airspace and procedures optimization opportunities. Collaborative design and implementation teams then put in place the solutions the study teams recommend, including performance-based navigation procedures and airspace redesign.

ATL	Hartsfield-Jackson Atlanta International
BOS	Logan International
BWI	Baltimore/Washington International Thurgood Marshall
CLT	Charlotte Douglas International
DCA	Ronald Reagan Washington National
DEN	Denver International
DFW	Dallas/Ft. Worth International
DTW	Detroit Metropolitan Wayne County International
EWB	Newark Liberty International
FLL	Fort Lauderdale-Hollywood International
HNL	Honolulu International
IAD	Washington Dulles International
IAH	George Bush Intercontinental
JFK	John F. Kennedy International
LAS	McCarran International
LAX	Los Angeles International
LGA	LaGuardia
MCO	Orlando International
MDW	Midway International
MEM	Memphis International
MIA	Miami International
MSP	Minneapolis-St. Paul International
ORD	O'Hare International
PHL	Philadelphia International
PHX	Phoenix Sky Harbor International
SAN	San Diego International
SEA	Seattle-Tacoma International
SFO	San Francisco International
SLC	Salt Lake City International
TPA	Tampa International

